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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 13.8837 Seconds  
(without alignments)  
775.530 Million cell updates/sec

Title: US-09-807-933B-3

Perfect score: 2020  
Sequence: 1 MKFITTSALLALALGTEM.....TYKEVTCPEKTIWAKGCSRK 366

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/prodata/1/iaa/5A COMB.pep:\*
- 2: /cgn2\_6/prodata/1/iaa/5B COMB.pep:\*
- 3: /cgn2\_6/prodata/1/iaa/6A COMB.pep:\*
- 4: /cgn2\_6/prodata/1/iaa/6B COMB.pep:\*
- 5: /cgn2\_6/prodata/1/iaa/PCTUS COMB.pep:\*
- 6: /cgn2\_6/prodata/1/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	757.5	37.5	299	2	US-08-872-437-2
2	757.5	37.5	299	3	US-08-651-136C-12
3	757.5	37.5	299	4	US-09-229-911A-12
4	753.5	37.3	225	3	US-08-651-136C-2
5	753.5	37.3	225	4	US-09-229-911A-2
6	753.5	37.3	225	3	US-08-651-136C-4
7	753.5	37.3	297	3	US-09-229-911A-4
8	753.5	37.3	308	4	US-08-651-136C-6
9	753.5	37.3	308	4	US-09-229-911A-6
10	752.5	37.3	306	4	US-09-189-060B-68
11	722.5	35.8	222	3	US-08-651-136C-14
12	722.5	35.8	222	4	US-09-229-911A-14
13	722.5	35.8	224	3	US-08-651-136C-24
14	722.5	35.8	294	4	US-09-229-911A-24
15	715	35.4	349	3	US-08-651-136C-10
16	715	35.4	349	4	US-09-229-911A-10
17	707.5	35.0	304	4	US-09-189-060B-72
18	706.5	35.0	306	4	US-09-189-060B-66
19	706	35.0	310	3	US-08-651-136C-22
20	706	35.0	310	4	US-09-229-911A-22
21	692	34.3	307	4	US-09-189-060B-74
22	690.5	34.2	235	4	US-09-329-350-31
23	684	33.9	286	4	US-09-354-733-3
24	683.5	33.8	308	4	US-09-189-060B-70
25	683.5	33.8	376	1	US-08-090-013-4
26	683.5	33.8	376	1	US-08-081-328-4
27	683.5	33.8	376	1	US-08-232-249-4

28	683.5	33.8	376	2	US-08-833-642A-4	Sequence 4, Appl1
29	683.5	33.8	376	2	US-08-389-423-4	Sequence 4, Appl1
30	683.5	33.8	376	4	US-09-230-665-4	Sequence 4, Appl1
31	683.5	33.8	376	4	US-09-189-028-4	Sequence 4, Appl1
32	682	33.8	285	4	US-09-230-225B-6	Sequence 6, Appl1
33	682	33.8	305	4	US-09-230-222-1	Sequence 1, Appl1
34	679.5	33.6	357	3	US-08-411-777-9	Sequence 9, Appl1
35	679.5	33.6	357	3	US-09-057-088-9	Sequence 9, Appl1
36	675	33.4	234	4	US-09-230-665-6	Sequence 6, Appl1
37	675	33.4	305	1	US-08-090-013-2	Sequence 2, Appl1
38	675	33.4	305	1	US-08-081-328-2	Sequence 2, Appl1
39	675	33.4	305	1	US-08-232-249-2	Sequence 2, Appl1
40	675	33.4	305	2	US-08-921-426-8	Sequence 8, Appl1
41	675	33.4	305	2	US-08-833-642A-2	Sequence 2, Appl1
42	675	33.4	305	2	US-08-140-008A-4	Sequence 4, Appl1
43	675	33.4	305	2	US-08-836-340-1	Sequence 1, Appl1
44	675	33.4	305	2	US-08-389-423-2	Sequence 2, Appl1
45	675	33.4	305	3	US-08-816-915-8	Sequence 8, Appl1

#### ALIGNMENTS

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RESULT 1
US-08-872-437-2
; Sequence 2, Application US/08872437
; Patent No. 5958082
; GENERAL INFORMATION:
; APPLICANT: Lund, Henrik
; APPLICANT: Kalum, Lisbeth
; TITLE OF INVENTION: Garments with Considerable Variation in
; FILE REFERENCE: 4888.200-US
; CURRENT APPLICATION NUMBER: US/08/872,437
; CURRENT FILING DATE: 1997-06-10
; EARLIER APPLICATION NUMBER: 1276/96
; EARLIER FILING DATE: 1996-11-13
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Thielavia terrestris
US-08-872-437-2

Query Match      37.5%; Score 757.5; DB 2; Length 299;
Best Local Similarity 62.3%; Pred. No. 8.4e-52;
Matches 134; Conservative 32; Mismatches 40; Indels 9; Gaps 4;

QY 152 IVSGGASGNGVTRVWDCCKASGSPRKANVSPYKCKDKGVTLSDSNVSGGNGGNS 211
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Db 17 LVASASGSGGSTRVWDCCKPSGAMPKAAVGPVACDAN-FORLSDRNVSGGNGGSA 75

QY 212 YMCNDNOPAVNDNLAVGPAAAIISGGGSESRNCCSCELTFTSTVAGKMYIOVTNTG 271
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 76 YGADGTTPAVVNDNLAVGPAAATSIAGSSSMCCACVYALFTTSGVPAKTMVVGSTTG 135

QY 272 DLAGSGAIFDLQMPGCGGIGIFNGGSKWGA-PNDWMSGRYGGISASDCSSLPALQAG 330
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 136 DLGSGN--GFDLAMPGGVGIFNGGSSQFGGJP---GAQYGGISSRDQDSFPAPLKG 188

QY 331 CKWRFMVFNKADNPSTWKEVTCPEKTIWAKGCSR 365
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 189 COMRFDMFVADNPFTFOOVCCPAETIVARSCKR 223

RESULT 2
US-08-651-136C-12
; Sequence 12, Application US/08651136C
; Patent No. 6001639
; GENERAL INFORMATION:
; APPLICANT: Schultein, Martin
; APPLICANT: Andersen, Lene N.
```

APPLICANT: Lassen, Soren F.  
APPLICANT: Kaupinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 6001639c No. 6001639d disk of No. 6001639th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366,200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 299 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-651-136C-12

Query Match 37.5%; Score 757.5; DB 3; Length 299;  
Best Local Similarity 62.3%; Pred. No. 8,4e-52;  
Matches 134; Conservative 32; Mismatches 40; Indels 9; Gaps 4;  
QY 152 IVSGASGNGVTRRYWDCCKASCWPGKANVSPVSKCNKDGVTALSDSNVQSGCNGNS 211  
DB 17 LVASAASGSGSTRYWDCCKSCAMPKAAVQPYVACDAN-FORLSDPNVQSGCNGGSA 75  
QY 212 YMCNDOPAVVNDNLAYGPAAAIISGGESRWCCSCFELTFTSTSVAGKKVYQVTNTGG 271  
DB 76 YSCADQTPMAVNDNLAYGPAATSIAGSBSWCCACIALTFTSGPVAAGTMVQSTSTGG 135  
QY 272 DLGSSTGAHFDLQMPGGVGIFFNGCSKQWGA-PNDGWSRYGSISSASDCSLPSALQAG 330  
DB 136 DLGSN---QFDIAMPGGVGIFFNGCSSQFGGLP---GAQYGISRRDCCDSFPAPLKG 188  
QY 331 CKWRFWFKXADNPSTMYKEVTCPEKITAKTGCSR 365  
DB 189 COMRFDFWQADNPFTFTFOQVQCPAEIVARSCKR 223

RESULT 3  
US-09-229-911A-12  
Sequence 12, Application US/09229911A  
Patent No. 6387690  
GENERAL INFORMATION:  
APPLICANT: Schulein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kaupinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu

TITLE OF INVENTION: No. 6387690e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 6387690c No. 6387690d disk of No. 6387690th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366,200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 299 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
US-09-229-911A-12

Query Match 37.5%; Score 757.5; DB 4; Length 299;  
Best Local Similarity 62.3%; Pred. No. 8,4e-52;  
Matches 134; Conservative 32; Mismatches 40; Indels 9; Gaps 4;  
QY 152 IVSGASGNGVTRRYWDCCKASCWPGKANVSPVSKCNKDGVTALSDSNVQSGCNGNS 211  
DB 17 LVASAASGSGSTRYWDCCKSCAMPKAAVQPYVACDAN-FORLSDPNVQSGCNGGSA 75  
QY 212 YMCNDOPAVVNDNLAYGPAAAIISGGESRWCCSCFELTFTSTSVAGKKVYQVTNTGG 271  
DB 76 YSCADQTPMAVNDNLAYGPAATSIAGSBSWCCACIALTFTSGPVAAGTMVQSTSTGG 135  
QY 272 DLGSSTGAHFDLQMPGGVGIFFNGCSKQWGA-PNDGWSRYGSISSASDCSLPSALQAG 330  
DB 136 DLGSN---QFDIAMPGGVGIFFNGCSSQFGGLP---GAQYGISRRDCCDSFPAPLKG 188  
QY 331 CKWRFWFKXADNPSTMYKEVTCPEKITAKTGCSR 365  
DB 189 COMRFDFWQADNPFTFTFOQVQCPAEIVARSCKR 223

RESULT 4  
US-08-651-136C-2  
Sequence 2, Application US/08651136C  
Patent No. 6001639  
GENERAL INFORMATION:  
APPLICANT: Schulein, Martin  
Andersen, Lene N.  
APPLICANT: Lassen, Soren F.  
APPLICANT: Kaupinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:  
ADDRESSEE: NO. 60016390 No. 6001639disk of No. 60016395th America, Inc  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ. ID NO.: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 225 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-651-136C-2

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Query Match 37.3%; Score 753.5; DB 3; Length 225;
Best Local Similarity 60.8%; Pred. No. 1.2e-51;
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;

Cy 158 GGNVTRRYMDCCKASCSMPKANVSSPVKSCNKGVTALSDSNVQSGN-GGNSYMCND 216
Db 21 SGIGGATTRYMCCCKSPKAMPGR-CPSSFPVQADCKNNPLNDGGSTHSGDAGSAYMCS 79
Cy 217 NOPMNVNINLAAGFAAAIISGGSESRWCCSCEFLPTSTSVAGKRVIVQVNTNGDGLSS 276
Db 80 QSPNAVSELSIGMAAVKLAGSSSESOMCCACETLTTSGPVACKNIIVQNTNGDGLGN 139
Cy 277 TGAHFDLMPGGGAGVIFNGCSKQWGA PNDGWSRGVIGSISSASDCSLPSALQAGCKWRN 336
Db 140 --HFDLAIPGGGAGVIFNACTDQYGAP PGMGWDGRYGVGISKECECFPEALXKGCWMPFD 196
Cy 337 WFKNADNPSTMYKEVTCPEKREITAKTGCSR 365
Db 197 WFOANDNPSTVFQEVACPSBELTSGGCSR 225

RESULT 5
US-09-229-911A-2
Sequence 2, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Thara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. 6387690o No. 6387690dsk of No. 6387690th America, Inc
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America

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1      ZIP: 10174-6401
2
3      COMPUTER READABLE FORM:
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5      MEDIUM TYPE: Floppy disk
6
7      COMPUTER: IBM PC compatible
8      OPERATING SYSTEM: PC-DOS/MS-DOS
9      SOFTWARE: Patent In Release #1.0, Version #1.30
10
11     CURRENT APPLICATION DATA:
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13     APPLICATION NUMBER: US/09/229,911A
14
15     FILING DATE: 13-Jan-1999
16
17     CLASSIFICATION: <Unknown>
18
19     PRIOR APPLICATION DATA:
20
21     APPLICATION NUMBER: 08/651,136
22
23     FILING DATE: 21-MAY-1996
24
25     ATTORNEY/AGENT INFORMATION:
26
27     NAME: Lambiris, Elias J.
28     REGISTRATION NUMBER: 33,728
29     REFERENCE/DOCKET NUMBER: 4366,200-US
30
31     TELECOMMUNICATION INFORMATION:
32
33     TELEPHONE: 212-867-0123
34
35     TELEFAX: 212-878-9655
36
37     INFORMATION FOR SEQ ID NO: 2:
38
39     SEQUENCE CHARACTERISTICS:
40
41     LENGTH: 225 amino acids
42
43     TYPE: amino acid
44
45     TOPOLOGY: linear
46
47     MOLECULE TYPE: protein
48
49     SEQUENCE DESCRIPTION: SEQ ID NO: 2:
50
51     US-09-229-911A-2.

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Query Match            37.3%; Score 753.5; DB 4; Length 225;  
Best Local Similarity     60.8%; Pred. No. 1.2e-51;  
Matches   127; Conservative   36; Mismatches   41; Indels   5; Gaps   3

Dy        158 SGNGVTRRYMDCCACSCSWPEKANVSSPYKCNKGVTALSDSNVQGCN -GNSLYMCD 216  
Db        21 SGIQTTRYMDCCPCRPSCAMPGR -SPSSBYVQACDXNDPLNDGGSTRSGCDAAGSAYMCSS 79

Oy        217 NQPWAVNDNLAYGPAAALASCGGESRNCSCFELTFPTSTSYA GKMYOVNTTGDGLCSS 276  
Db        80 QSPAWEDELSTYGAAYKTAAOSSONCACATLFTPSGPAKKMIYQAINTGDDLGN 139

Oy        277 TGAHFDDLOMPGGVGIFNGCSKNQGAPNDGSRYGIGISSADCSLPALAQACKWFN 336  
Db        140 ---HFDLAIPGGGVGINACTDQYGAPPNGWGDRYGHISKECESPFEALKPGCMNRFP 196

Oy        337 WFKXANDNPMTYEKVTCPKETLTAKTGCSR 365  
Db        197 WFQXANDNPSTVFQVACPSELTSKGSGR 225

RESULT 6  
US-08-651-136C-4  
Sequence 4, Application US/08651136C  
Patent No. 6001639

GENERAL INFORMATION:  
Applicant: Schulein, Martin  
Applicant: Andersen, Lene N.  
Applicant: Lassen, Soren F.  
Applicant: Kauppinen, Markus S.  
Applicant: Lange, Lene  
Applicant: Nielsen, Ruby I.  
Applicant: Ihara, Michiko  
Applicant: Takagi, Shinobu  
Title Of Invention: No. 6001639el Endog\lucanaaes  
Number Of Sequences: 109  
Correspondence Address:  
ADDRESSEE: No. 6001639o No. 6001639dlisk of No. 6001639th America, Inc.  
Street: 405 Lexington Avenue, 64th floor  
City: New York  
State: New York  
Country: United States of America  
Zip: 10174-6401

COMPUTER READABLE FORM:



ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 308 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-651-136C-6

Query Match 37.3%; Score 753.5; DB 3; Length 308;  
Best Local Similarity 60.8%; Pred. No. 1.8e-51;  
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;

QY 158 SGNVTRRYWDCCKASCSMPGRKANVSSPVKSCNKGDTALSDSNVQSGCN-GGNSYMCND 216  
DB 21 SGIGOTTRRYWDCCKPSCAMPGRK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79  
QY 217 NOPAVNDNLAYGFAAAAISSGGESESRWCCSCFELTFTSTSVAGKKMVIQVNTGDLGSS 276  
DB 80 QSPWAVSDLSYGMVAVKLAGSSESQWCCACVCLTFTSGPVAGKKMIVQATNTGDLGDN 139  
QY 277 TGAHFDLQMPGGGVGIFNGCSKQMGAPNDGWSRGYGISASDCSLPSALQCKRRFN 336  
DB 140 ---HFPLAIPGGGVGIFNACTDYGAPPNMGDRYGGIHSKECESFPFALKPGCKWRPD 196  
QY 337 WFNQADNPSTYKVTCPKEITAKTGCSR 365  
DB 197 WFNQADNPSTYKVTQEVACPSSELTSGCSR 225

RESULT 9  
US-09-229-911A-6  
Sequence 6, Application US/0922911A  
Patent No. 6387690  
GENERAL INFORMATION:  
APPLICANT: Schultein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. 6387690e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSER: No. 63876900 No. 6387690disk of No. 6387690th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 308 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
US-09-229-911A-6

Query Match 37.3%; Score 753.5; DB 4; Length 308;  
Best Local Similarity 60.8%; Pred. No. 1.8e-51;  
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;

QY 158 SGNVTRRYWDCCKASCSMPGRKANVSSPVKSCNKGDTALSDSNVQSGCN-GGNSYMCND 216  
DB 21 SGIGOTTRRYWDCCKPSCAMPGRK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79  
QY 217 NOPAVNDNLAYGFAAAAISSGGESESRWCCSCFELTFTSTSVAGKKMVIQVNTGDLGSS 276  
DB 80 QSPWAVSDLSYGMVAVKLAGSSESQWCCACVCLTFTSGPVAGKKMIVQATNTGDLGDN 139  
QY 277 TGAHFDLQMPGGGVGIFNGCSKQMGAPNDGWSRGYGISASDCSLPSALQCKRRFN 336  
DB 140 ---HFPLAIPGGGVGIFNACTDYGAPPNMGDRYGGIHSKECESFPFALKPGCKWRPD 196  
QY 337 WFNQADNPSTYKVTCPKEITAKTGCSR 365  
DB 197 WFNQADNPSTYKVTQEVACPSSELTSGCSR 225

RESULT 10  
US-09-189-060B-68  
Sequence 68, Application US/09189060B  
Patent No. 6270968  
GENERAL INFORMATION:  
APPLICANT: Dalboge, Henrik  
Sandal, Thomas  
Kauppinen, Markus  
Borge, Diderichsen  
TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences  
FILE REFERENCE: 4772.204-US  
CURRENT APPLICATION NUMBER: US/09/189,060B  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: PCT/DK97/00216  
PRIOR FILING DATE: 1997-05-12  
NUMBER OF SEQ ID NOS: 74  
SOFTWARE: PatcSEO for Windows Version 4.0  
SEQ ID NO 68  
LENGTH: 306  
TYPE: PRT  
ORGANISM: Hybrid  
US-09-189-060B-68

Query Match 37.3%; Score 752.5; DB 4; Length 306;  
Best Local Similarity 62.5%; Pred. No. 2.1e-51;  
Matches 130; Conservative 30; Mismatches 41; Indels 7; Gaps 3;

QY 158 SGNVTRRYWDCCKASCSMPGRKANVSSPVKSCNKGDTALSDSNVQSGCN-GGNSYMCND 217  
DB 23 ADGRTTRYWDCCKPSCSWGDKASVAPVLTCDKND-NPISDANNAVSGCNIGTSYCSNN 81  
QY 218 QPVAVNDNLAYGFAAAAISSGGESESRWCCSCFELTFTSTSVAGKKMVIQVNTGDLGSS 277  
DB 82 SPWAVNDNLAYGFAAAAISSGGESESRWCCACVCLTFTSGPVAGKKMIVQATNTGDLGDN 140  
QY 278 GAHFDLQMPGGGVGIFNGCSKQMGAPNDGWSRGYGISASDCSLPSALQCKRRFN 337  
DB 141 ---HFDLQMPGGGVGIFDGCSSQWGI---GAOYGISRSRDCSPFELLKDGCKWRVDM 195

QY 338 FKADNPSMTYKVTCPKEITAKTGCSR 365  
 DB 196 FKADNPSRFRVOCPAEIVATGCSR 223

## RESULT 11

US-08-651-136C-14  
 ; Sequence 14, Application US/08651136C  
 ; Patent No. 6001639  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Schultein, Martin  
 ; APPLICANT: Andersen, Lene N.  
 ; APPLICANT: Lassen, Soren F.  
 ; APPLICANT: Kauppinen, Markus S.  
 ; APPLICANT: Lange, Lene  
 ; APPLICANT: Nielsen, Rudy I.  
 ; APPLICANT: Ihara, Michiko  
 ; APPLICANT: Takagi, Shinobu  
 ; TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
 ; NUMBER OF SEQUENCES: 109  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639th America, Inc.  
 ; STREET: 405 Lexington Avenue, 64th Floor  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: United States of America  
 ; ZIP: 10174-6401  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/651,136C  
 ; FILING DATE: 21-MAY-1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Lambiris, Elias J.  
 ; REGISTRATION NUMBER: 33,728  
 ; REFERENCE/DOCKET NUMBER: 4366,200-US  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212-867-0123  
 ; TELEFAX: 212-878-9655  
 ; INFORMATION FOR SEQ ID NO: 14:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 222 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-651-136C-14

Query Match 35.8%; Score 722.5; DB 3; Length 222;

Best Local Similarity 59.4%; Pred. No. 3.1e-49; Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;

QY 160 NGVTRRWDCCCKSCGMPGKAVNSPVKSCN-KDGYTALSDSNVOSGNGNSYMCNDNQ 218  
 DB 21 SGVTRRWDCCCKSCGMPGKAVNSPVKSCN-KDGYTALSDSNVOSGNGNSYMCNDNQ 79  
 QY 219 PMAVNDMLAYGFAAALISGGESRWCCSCPELFTSTSVAGKQWVQVNTGDDLGSSVG 278  
 DB 80 PMAVNDMLAYGFAAALISGGESRWCCSCPELFTSTSVAGKQWVQVNTGDDLGSSVG 137  
 QY 279 AHFDLQMPGGVGFVFNCSKQWGAAPNDGWSRYGSISSADCSLPSALQAGCKMRFNMF 338  
 DB 138 -HFDIAMPGGVGFVFNCSKQWGAAPNDGWSRYGSISSADCSLPSALQAGCKMRFNMF 194  
 QY 339 KNADNPSMTYKVTCPKEITAKTGCSR 365  
 DB 195 ENADNPTVMEPVTCPQELVARTGCSR 221

RESULT 12

US-09-229-911A-14  
 ; Sequence 14, Application US/09229911A  
 ; Patent No. 6387690  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Schultein, Martin  
 ; APPLICANT: Andersen, Lene N.  
 ; APPLICANT: Lassen, Soren F.  
 ; APPLICANT: Kauppinen, Markus S.  
 ; APPLICANT: Lange, Lene  
 ; APPLICANT: Nielsen, Rudy I.  
 ; APPLICANT: Ihara, Michiko  
 ; APPLICANT: Takagi, Shinobu  
 ; TITLE OF INVENTION: No. 6387690e1 Endoglucanases  
 ; NUMBER OF SEQUENCES: 109  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: No. 63876900 No. 6387690disk of No. 6387690th America, Inc.  
 ; STREET: 405 Lexington Avenue, 64th Floor  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: United States of America  
 ; ZIP: 10174-6401  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/229,911A  
 ; FILING DATE: 13-Jan-1999  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/651,136  
 ; FILING DATE: 21-MAY-1996  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Lambiris, Elias J.  
 ; REGISTRATION NUMBER: 33,728  
 ; REFERENCE/DOCKET NUMBER: 4366,200-US  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212-867-0123  
 ; TELEFAX: 212-878-9655  
 ; INFORMATION FOR SEQ ID NO: 14:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 222 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
 ; US-09-229-911A-14

Query Match 35.8%; Score 722.5; DB 4; Length 222;

Best Local Similarity 59.4%; Pred. No. 3.1e-49; Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;

QY 160 NGVTRRWDCCCKSCGMPGKAVNSPVKSCN-KDGYTALSDSNVOSGNGNSYMCNDNQ 218  
 DB 21 SGVTRRWDCCCKSCGMPGKAVNSPVKSCN-KDGYTALSDSNVOSGNGNSYMCNDNQ 79  
 QY 219 PMAVNDMLAYGFAAALISGGESRWCCSCPELFTSTSVAGKQWVQVNTGDDLGSSVG 278  
 DB 80 PMAVNDMLAYGFAAALISGGESRWCCSCPELFTSTSVAGKQWVQVNTGDDLGSSVG 137  
 QY 279 AHFDLQMPGGVGFVFNCSKQWGAAPNDGWSRYGSISSADCSLPSALQAGCKMRFNMF 338  
 DB 138 -HFDIAMPGGVGFVFNCSKQWGAAPNDGWSRYGSISSADCSLPSALQAGCKMRFNMF 194  
 QY 339 KNADNPSMTYKVTCPKEITAKTGCSR 365  
 DB 195 ENADNPTVMEPVTCPQELVARTGCSR 221

## RESULT 13

US-08-651-136C-24  
 ; Sequence 24, Application US/08651136C



RESULT 14  
US-09-229-91A-24  
Sequence 24, Application US/0922911A  
Patent No. 6387690  
GENERAL INFORMATION:  
APPLICANT: Schulte, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kaupinen, Markus S

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Query Match      35.8%; Score 722.5; DB 4; Length 294;
Best Local Similarity 59.4%; Pred. No. 4.5e-49;
Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4

OY      160 NGVTRRYDCCKASCSPFKANVSYPVKSCN-KDGVTALSLSNVOGCGNGNSIYCNDNQ 218
       :|::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
DB      21  SGVTRYRWDCCCKPSCAMTGGKASVSKPVOTCIBINNAQTPSL-LKSSCDGSAYVCNOG 79
       :|::||::||::||::||::||::||::||::||::||::||::||::||::||:

OY      219 PMAVNDNLAVGFPAALAIISGESSEMSCCSFELTFSTSVAGKKAVIQVNTGTGDIGSSTG 278
       ||::||::||::||::||::||::||::||::||::||::||::||::||::||:
DB      80  PMAVDNISLSTFPAALKLSGKETDMCCGCYLTFTSTAVSGKOMIVQTLNTGSDIGN-- 137
       ||::||::||::||::||::||::||::||::||::||::||::||::||::||:

OY      279 AHFDLPFGGCVGIIFNGCSKOWGAIPNDWGRSYRGISIASDCCSLPSLLQACKKRFWMF 338
       :|::||::||::||::||::||::||::||::||::||::||::||::||::||:
DB      138 -HFPIAMGGGVGIIFNGCSKOMNGIN-LGNQYGGFIDRSQCATLPSKMOASCNWRPFMF 194
       :|::||::||::||::||::||::||::||::||::||::||::||::||::||:

OY      339 KNAADPSMTYKEVTCPEKEITAKTGCSR 365
       ||::||::||::||::||::||::||::||::||::||::||::||::||::||:
DB      195 ENADNPITYDWEPVTCPOELVARTGSR 221
       :|::||::||::||::||::||::||::||::||::||::||::||::||::||:

RESULT 15
US-08-651-136C-10
; Sequence 10, Application US/08651136C
; Patent No. 6001639
; GENERAL INFORMATION:
; APPLICANT: Schuelein, Martin
; APPLICANT: Andersen, Lene N.
; APPLICANT: Lassen, Soren F.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Lange, Lene
; APPLICANT: Nielsen, Ruby I.
```

APPLICANT: Ihara, Michiko  
 APPLICANT: Takagi, Shinobu  
 TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
 NUMBER OF SEQUENCES: 109  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: No. 6001639e No. 6001639disk of No. 6001639th America, Inc.  
 STREET: 405 Lexington Avenue, 64th Floor  
 CITY: New York  
 STATE: New York  
 COUNTRY: United States of America  
 ZIP: 10174-6401  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentln Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/651,136C  
 FILING DATE: 21-MAY-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lambdis, Elias J.  
 REGISTRATION NUMBER: 33,728  
 REFERENCE/DOCKET NUMBER: 4366.200-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-867-0123  
 TELEFAX: 212-878-9655  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 349 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-651-136C-10

Query Match 35.4%; Score 715; DB 3; Length 349;  
 Best Local Similarity 58.3%; Pred. No. 2.1e-46;  
 Matches 123; Conservative 36; Mismatches 42; Indels 10; Gaps 4;

QY 157 ASGNVTRRYWDCKKASGSPGKANVSSPKSCNKDGVTLSDSNVSGCNGNSYMCND 216  
 DB 21 ASGKGHTTRYWDCKKTSKAMEGKASVSEPVLTCKOD-NPIVDANARSGCDGGGAFAC TN 79  
 QY 217 NQPAVNDNTLAVGFPAALISGGSGSRWCSCFELTFTSTVAGKKMVTIOVNTGTGDLGSS 276  
 DB 80 NSPMAVSEDLAVGFPAALISGGTBSWCACAYALTFTISGVPAGKKMVOQSTNTGDLSSN 139  
 QY 277 TGAHFDLQMPGGVGIVFGSKQWNG--APNDGWSRYGSISSASDLSLPSALQAGCKMR 334  
 DB 140 --HFDLMIPEGGIGIFPGCSAQFGQLLP-----GRYGVSSRSQCGDMPELLKDGCGMR 192  
 QY 335 FNNFRKADNPSMTYKEVTCPEKITAKTGCSR 365  
 DB 193 FDMFKNSDNDPIEFEOVQCPKELIAVSGCVR 223

Search completed: June 18, 2003, 17:17:47  
 Job time : 14.8857 secs